



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Past Days	Total	Supplier Name
PO040214	MCM001-VU	2	1	2% 10 Net 30	90905A673	Split Ring, Ø1-1/16 OD x Ø15/16 ID x 1/8 receive ea				10	6/27/2018	10		S083365	Stock	6/22/2018	\$ 0.66 / Ea	3	\$6.57	McMaster-Carr Supply Co.
		3			M301S20GA	M301S20GA : MATERIAL: AISI 301 SS SHEET MINIMUM 1/4 HARDNESS (NOT ANNEALED) 2B FINISH AS PER AMS 5517/AMS 5518/AMS 5902/ AMS 5519 OR ASTM A666 WHIT MIN. FTU = 125 KSI & MIN FTY = 75 KSI receive sf				3		3		S083367	Stock	6/22/2018	\$ 22.95 / sf	3	\$68.84	McMaster-Carr Supply Co.
		4			MDELINR0.750X3.000W	M Delrin Bar, White : MATERIAL: DELRIN II 150E OR ACETRON GP ACETAL receive ft				4		4		S083368	Stock	6/22/2018	\$ 24.16 / ft	3	\$96.64	McMaster-Carr Supply Co.
		5			MDELINR0.375	M Delrin Round Bar, Black				5		5		S083369	Stock	6/22/2018	\$ 0.74 / ft	3	\$3.70	McMaster-Carr Supply Co.
		6			9017K94	Low-Carbon Steel 90 Degree Angle, 1/2"thk 5x5 outside				3		3		S083370	Stock	6/22/2018	\$ 28.50 / ft	3	\$85.51	McMaster-Carr Supply Co.
		7			8569K23	Teflon PTFE Plastic 0.020" receive ea				1		1		S083371	Stock	6/22/2018	\$ 11.45 / sf	3	\$11.45	McMaster-Carr Supply Co.
		24			8733K67	Off White Nylon Bar 1" Thick, 3" Wide				4		4		S083391	Stock	6/22/2018	\$ 31.28 / ft	3	\$125.12	McMaster-Carr Supply Co.

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
		27	14		MDELIRINB1.250X3.000W	M Delrin Bar, White receive ft			8		8		S083392	Stock	6/22/2018	\$ 33.89 / ft	3		\$271.12	McMaster-Carr Supply Co.
		28	14		MDELIRINB1.500X3000W	M Delrin Bar, White					8		S083393	Stock	6/22/2018	\$ 40.24 / ft	3		\$321.92	McMaster-Carr Supply Co.
		29	14		MDELIRINR4.000W	M-Delrin Round Bar, White			5		5		S083394	Stock	6/22/2018	\$ 79.29 / ft	3		\$396.45	McMaster-Carr Supply Co.
Total:											51								\$1,387.32	

Plex 6/25/2018 2:00 PM dat, Tollis, Andrew

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO0402145

Page 1 of 2

Order Placed By
Chantal Lavoie

06/15/2018

McMaster-Carr Number
5060725-01

Line	Product	Ordered	Shipped
1	3555T51 Galvanized Steel Safety-Pin Shackle - for Lifting, 1/2" Thick	4 Each	4
2	90905A673 316 Stainless Steel Split Ring, 1-1/16" OD, Packs of 10	1 Pack	1
3	1217T24 Fatigue-Resistant 301 Stainless Steel Sheet, 12" x 36", 1/4 Hard Temper, 0.042" Thick	1 Each	1 rec'd
4	8739K45 White Delrin® Acetal Resin Oversized Bar, 3/4" Thick, 3" Wide, 4' Length	4 Feet	4 rec'd
5	8576K13 Black Delrin® Acetal Resin Rod, 3/8" Diameter, 5 Feet Long	5 Feet	5 rec'd
6	9017K94 Low-Carbon Steel 90 Degree Angle, 1/2" Wall Thickness, 5" x 5" Outside Size, 3 ft. Length	1 Each	1 rec'd
7	8569K23 Film Made From Teflon PTFE, 6" Wide, 0.02" Thick, 2' Length	2 Feet	2
8	92620A592 Zinc Yellow-Chromate Plated Hex Head Screw, Grade 8 Steel, 5/8"-18 Thread Size, 2-1/4" Long, Packs of 1	12 Packs	12
9	8491A462 Press-Fit Drill Bushing, 0.5" ID, 3/4" OD, 1" Long	12 Each	12
10	9654K193 Steel Extension Spring, Loop Ends, Zinc-Plated, Tempered, 4.79" Extended Length, Packs of 3	4 Packs	4
11	91259A812 Alloy Steel Shoulder Screw, 5/8" Diameter 4-1/2" Long Shoulder, 1/2"-13 Thread	12 Each	12
12	90145A503 18-8 Stainless Steel Dowel Pin, 3/16" Diameter, 3/8" Long, Packs of 20	1 Pack	1
3	91247A449 Medium-Strength Grade 5 Steel Hex Head Screw, Zinc-Plated, 5/8"-18 Thread Size, 5-1/2" Long, Partially Threaded, Packs of 1	12 Packs	12
4	91257A758 Zinc Yellow-Chromate Plated Hex Head Screw, Grade 8 Steel, 1/2"-20 Thread, 5-1/2" Long, Partially Threaded, Packs of 1	12 Packs	12
5	92210A303 18-8 Stainless Steel Hex Drive Flat Head Screw, 10-32 Thread Size, 5/8" Long, Packs of 100	1 Pack	1
6	6381K193 Multipurpose SAE 660 Leaded Bronze Sleeve Bearing for 3/4" Shaft Diameter and 1" Housing ID, 1-1/4" Long	20 Each	20
7	91102A750 Zinc-Plated Steel Split Lock Washer for 1/4" Screw Size, 0.26" ID, 0.487" OD, Packs of 100	1 Pack	1
3	6907K14 Brass Submersible Cord Grip, NPT Thread, for 0.24"-0.47" Cord OD, 1/2 Knockout Size	20 Each	20
1	3009A237 Hardened Undersized High-Speed M2 Tool Steel Rod, 0.15" Diameter, 3" Long	10 Each	10

Packing Lis

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO0402145

Page 2 of 2

Order Placed By
Chantal Lavoie

06/15/2018

McMaster-Carr Number
5060725-01

Line	Product	Ordered	Shipped
21	3869T62 Compression Ball with Shank End Fitting for 3/32" Wire Rope Diameter - Not for Lifting	80 Each	80
22	5274T761 Semi-Clear Plastic Vials with Tight Fitting Lid, 1.9oz. / 55 ml Capacity, Packs of 5	4 Packs	4
23	5481A1 Adjustable Pin Spanner Wrench for Holes on The Face for 5/8" to 2" Circle Diameter	20 Each	20
24	8733K67 Off-White Nylon Bar, 3" Wide, 1" Thick, 4' Length	4 Feet	4 <i>rod</i>
25	91257A755 Zinc Yellow-Chromate Plated Hex Head Screw, Grade 8 Steel, 1/2"-20 Thread Size, 5" Long, Partially Threaded, Packs of 1	10 Packs	10
26	91074A131 Zinc-Flake-Coated Steel Wedge Lock Washer for 3/8" Screw Size, 0.41" ID, 0.65" OD, Packs of 20	1 Pack	1
27	8739K61 White Delrin® Acetal Resin Oversized Bar, 1-1/4" Thick, 3" Wide, 4' Length	8 Feet	8 <i>rod</i>
28	8739K67 White Delrin® Acetal Resin Oversized Bar, 1-1/2" Thick, 3" Wide, 4' Length	8 Feet	8 <i>rod</i>
29	8572K36 White Delrin® Acetal Resin Rod, 4" Diameter, 5' Length	5 Feet	5 <i>rod</i>

Expected to ship

19	85195A999 Giant Swiss Arm Only, 19" Total Height #16823	1 Each	1 Jun 22-28
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McMaster-Carr Supply Company
200 Aurora Industrial Pkwy
Aurora, OH 44202-8087 USA
Phone: 330-995-5500 Fax: 330-995-9600
E-Mail: cle.sales@mcmaster.com
Employer Identification Number (EIN): 36-1458720

Invoice: 65507950
Purchase Order: PO0402145
Release:
McMaster-Carr Number: 5060725-01

ORIGINAL COMMERCIAL
INVOICE
CERTIFICATE OF ORIGIN

Ultimate Destination:
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Shipped: 15-Jun-2018
Shipper's Export Declaration (SED):
NO EEI 30.36

Intermediate Consignee:

Bill To:
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Tax Number:

Forwarding Agent:

Billing
Attention:
Shipping
Attention:
Contact:

Line	Description	Qty & Unit	Unit Price	Extension
1	3555T51 Galvanized Steel Safety-Pin Shackle - for Lifting, 1/2" Thick Country of Origin: United States Schedule B #: 732690 ECCN #: EAR99 NLR	4 EA	\$36.52	\$146.08
2	90905A673 316 Stainless Steel Split Ring, 1-1/16" OD, Packs of 10 Country of Origin: United States Schedule B #: 732690 ECCN #: EAR99 NLR	1 PK	\$6.57	\$6.57
3	1217T24 Fatigue-Resistant 301 Stainless Steel Sheet, 12" x 36", 1/4 Hard Temper, 0.042" Thick Country of Origin: Taiwan Schedule B #: 722020 ECCN #: 2B999 NLR	1 EA	\$68.84	\$68.84
4	8739K45 White Delrin® Acetal Resin Oversized Bar, 3/4" Thick, 3" Wide, 4' Length Country of Origin: United States Schedule B #: 392099 ECCN #: EAR99 NLR	4 FT	\$24.16	\$96.64
5	8576K13 Black Delrin® Acetal Resin Rod, 3/8" Diameter, 5 Feet Long Country of Origin: United States Schedule B #: 391690 ECCN #: EAR99 NLR	5 FT	\$0.74	\$3.70
Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.				

Shipping Weight (in kgs): 107

Number of Packages: 1

Invoice Amounts:

Merchandise Amount: \$3,009.20
Canadian GST/HST: \$391.21
Total (In USD): \$3,400.41

Package Dimensions:

Payment Terms: 2% discount on merchandise only if paid within 10 days, net 30 days

Remit payment to: (by wire transfer)
Bank of America
222 Broadway
New York, NY 10038
Account 86666-02021
SWIFT BOFAUS3N

Authorized Signature:

Date: 15-Jun-2018

Name: Sarah Weinberg

Title: Operations Mgr.

McMaster-Carr Supply Company
 200 Aurora Industrial Pkwy
 Aurora, OH 44202-8087 USA
 Phone: 330-995-5500 Fax: 330-995-9600
 E-Mail: cle.sales@mcmaster.com
 Employer Identification Number (EIN): 36-1458720

Invoice: 65507950
 Purchase Order: PO0402145
 Release:
 McMaster-Carr Number: 5060725-01

ORIGINAL COMMERCIAL
INVOICE
 CERTIFICATE OF ORIGIN

Line	Description	Qty & Unit	Unit Price	Extension
6	9017K94 Low-Carbon Steel 90 Degree Angle, 1/2" Wall Thickness, 5" x 5" Outside Size, 3 ft. Length Country of Origin: United States Schedule B #: 721640 ECCN #: EAR99 NLR	1 EA	\$85.51	\$85.51
7	8569K23 Film Made From Teflon PTFE, 6" Wide, 0.02" Thick, 2' Length Country of Origin: United States Schedule B #: 392010 ECCN #: EAR99 NLR	2 FT	\$5.72	\$11.44
8	92620A592 Zinc Yellow-Chromate Plated Hex Head Screw, Grade 8 Steel, 5/8"-18 Thread Size, 2-1/4" Long, Packs of 1 Country of Origin: Taiwan Schedule B #: 731815 ECCN #: EAR99 NLR	12 PK	\$7.96	\$95.52
9	8491A462 Press-Fit Drill Bushing, 0.5" ID, 3/4" OD, 1" Long Country of Origin: United States Schedule B #: 846620 ECCN #: EAR99 NLR	12 EA	\$7.83	\$93.96
10	9654K193 Steel Extension Spring, Loop Ends, Zinc-Plated, Tempered, 4.79" Extended Length, Packs of 3 Country of Origin: United States Schedule B #: 732020 ECCN #: EAR99 NLR	4 PK	\$5.04	\$20.16
11	91259A812 Alloy Steel Shoulder Screw, 5/8" Diameter 4-1/2" Long Shoulder, 1/2"-13 Thread Country of Origin: United States Schedule B #: 731815 ECCN #: EAR99 NLR	12 EA	\$8.17	\$98.04
12	90145A503 18-8 Stainless Steel Dowel Pin, 3/16" Diameter, 3/8" Long, Packs of 20 Country of Origin: United States Schedule B #: 731829 ECCN #: EAR99 NLR	1 PK	\$4.72	\$4.72
13	91247A449 Medium-Strength Grade 5 Steel Hex Head Screw, Zinc-Plated, 5/8"-18 Thread Size, 5-1/2" Long, Partially Threaded, Packs of 1 Country of Origin: Canada Schedule B #: 731815 ECCN #: EAR99 NLR	12 PK	\$2.53	\$30.36
14	91257A758 Zinc Yellow-Chromate Plated Hex Head Screw, Grade 8 Steel, 1/2"-20 Thread, 5-1/2" Long, Partially Threaded, Packs of 1 Country of Origin: United States Schedule B #: 731815 ECCN #: EAR99 NLR	12 PK	\$3.00	\$36.00
15	92210A303 18-8 Stainless Steel Hex Drive Flat Head Screw, 10-32 Thread Size, 5/8" Long, Packs of 100 Country of Origin: Taiwan Schedule B #: 731815 ECCN #: EAR99 NLR	1 PK	\$8.06	\$8.06
16	6381K193 Multipurpose SAE 660 Leadless Bronze Sleeve Bearing for 3/4" Shaft Diameter and 1" Housing ID, 1-1/4" Long Country of Origin: United States Schedule B #: 848330 ECCN #: EAR99 NLR	20 EA	\$3.68	\$73.60

Number of Packages: 1

Page 2 of 4

McMaster-Carr Supply Company
200 Aurora Industrial Pkwy
Aurora, OH 44202-8087 USA
Phone: 330-995-5500
E-Mail: cle.sales@mcmaster.com

Fax: 330-995-9600

Employer Identification Number (EIN): 36-1458720

Invoice: 65507950

Purchase Order: PO0402145

Release:

McMaster-Carr Number: 5060725-01

ORIGINAL COMMERCIAL

INVOICE

CERTIFICATE OF ORIGIN

Line	Description	Qty & Unit	Unit Price	Extension
17	91102A750 Zinc-Plated Steel Split Lock Washer for 1/4" Screw Size, 0.26" ID, 0.487" OD, Packs of 100 Country of Origin: United States Schedule B #: 731821 ECCN #: EAR99 NLR	1 PK	\$1.13	\$1.13
18	6907K14 Brass Submersible Cord Grip, NPT Thread, for 0.24"-0.47" Cord OD, 1/2 Knockout Size Country of Origin: Germany Schedule B #: 741999 ECCN #: EAR99 NLR	20 EA	\$10.30	\$206.00
20	3009A237 Hardened Undersized High-Speed M2 Tool Steel Rod, 0.15" Diameter, 3" Long Country of Origin: United States Schedule B #: 722810 ECCN #: EAR99 NLR	10 EA	\$2.49	\$24.90
21	3869T62 Compression Ball with Shank End Fitting for 3/32" Wire Rope Diameter - Not for Lifting Country of Origin: United States Schedule B #: 732690 ECCN #: EAR99 NLR	80 EA	\$1.74	\$139.20
22	5274T761 Semi-Clear Plastic Vials with Tight Fitting Lid, 1.9 oz./ 55 ml Capacity, Packs of 5 Country of Origin: United States Schedule B #: 392330 ECCN #: EAR99 NLR	4 PK	\$8.72	\$34.88
23	5481A1 Adjustable Pin Spanner Wrench for Holes on The Face for 5/8" to 2" Circle Diameter Country of Origin: United States Schedule B #: 820412 ECCN #: EAR99 NLR	20 EA	\$28.69	\$573.80
24	8733K67 Off-White Nylon Bar, 3" Wide, 1" Thick, 4' Length Country of Origin: United States Schedule B #: 392092 ECCN #: EAR99 NLR	4 FT	\$31.28	\$125.12
25	91257A755 Zinc Yellow-Chromate Plated Hex Head Screw, Grade 8 Steel, 1/2"-20 Thread Size, 5" Long, Partially Threaded, Packs of 1 Country of Origin: Canada Schedule B #: 731815 ECCN #: EAR99 NLR	10 PK	\$2.31	\$23.10
26	91074A131 Zinc-Flake-Coated Steel Wedge Lock Washer for 3/8" Screw Size, 0.41" ID, 0.65" OD, Packs of 20 Country of Origin: Sweden Schedule B #: 731821 ECCN #: EAR99 NLR	1 PK	\$12.38	\$12.38
27	8739K61 White Delrin® Acetal Resin Oversized Bar, 1-1/4" Thick, 3" Wide, 4' Length Country of Origin: United States Schedule B #: 392099 ECCN #: EAR99 NLR	8 FT	\$33.89	\$271.12
28	8739K67 White Delrin® Acetal Resin Oversized Bar, 1-1/2" Thick, 3" Wide, 4' Length Country of Origin: United States Schedule B #: 392099 ECCN #: EAR99 NLR	8 FT	\$40.24	\$321.92

Number of Packages: 1

Page 3 of 4

McMaster-Carr Supply Company
200 Aurora, Industrial Pkwy
Aurora, OH 44202-8087 USA
Phone: 330-995-5500
E-Mail: cle.sales@mcmaster.com

Fax: 330-995-9600

Employer Identification Number (EIN): 36-1458720

Invoice: 65507950

Purchase Order: PO0402145

Release:

McMaster-Carr Number: 5060725-01

ORIGINAL COMMERCIAL

INVOICE

CERTIFICATE OF ORIGIN

Line	Description	Qty & Unit	Unit Price	Extension
29	8572K36 White Delrin® Acetal Resin Rod, 4" Diameter, 5' Length Country of Origin: United States Schedule B #: 391690 ECCN #: EAR99 NLR NOTE These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations. NOTE Tracking number(s) for this shipment: 7016912148	5 FT	\$79.29	\$396.45

Number of Packages: 1

Page 4 of 4



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO040214**

Supplier: MCM001-VU
McMaster-Carr Supply Co,
P.O. Box 7690
Chicago, IL 60680-7690 USA
Phone: 330 995 5500
Fax: 330 995 9600

PO No: PO040214

PO Date: 6/15/18

Due Date: 6/20/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

E-MAILED
JUN 15 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: 2% 10 Net 30

Freight Terms:

Special Comments:

Items											
Line Item	Job	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1		3555T51		Shackle 1/2", 4400 Lbs	Firmed	6/20/18	4 Ea	0 Ea	4 Ea	\$36.52/Ea	\$146.08
2		90905A673	10/pk	Split Ring, Ø1-1/16 OD x Ø15/16 ID x 1/8 receive ea	Firmed	6/20/18	10 Ea	0 Ea	10 Ea	\$0.657/Ea	\$6.57
3		M301S20GA	1217T24 3 SF	M301S20GA : MATERIAL: AISI 301 SS SHEET MINIMUM 1/4 HARDNESS (NOT ANNEALED) 2B FINNISH AS PER AMS 5517/AMS 5518/AMS 5902/ AMS 5519 OR ASTM A666 WHIT MIN. FTU = 125 KSI & MIN FTY = 75 KSI receive sf	Firmed	6/20/18	3 sf	0 sf	3 sf	\$22.946666/sf	\$68.84
4		MDELRINB0.750X3.000W	8739K45	M Delrin Bar, White : MATERIAL: DELRIN II 150E OR ACETRON GP ACETAL receive ft	Firmed	6/20/18	4 ft	0 ft	4 ft	\$24.16/ft	\$96.64

Items											
Line Item	Job	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
5		MDELIRNR0.375	8576K13 5 ft	M Delrin Round Bar, Black	Firmed	6/20/18	5 ft	0 ft	5 ft	\$0.74/ft	\$3.70
6		9017K94	3 ft long	Low-Carbon Steel 90 Degree Angle, 1/2"thk 5x5 outside	Firmed	6/20/18	3 ft	0 ft	3 ft	\$28.50333/ft	\$85.51
7		8569K23	6" x 2 ft	Teflon PTFE Plastic 0.020" receive ea	Firmed	6/20/18	1 sf	0 sf	1 sf	\$11.45/sf	\$11.45
Line Item Note 1 PCS OF 6" X 2 FT											
8		20NR-13	92620A592 1/PK	Funnel Rail Bolt	Firmed	6/20/18	12 Ea	0 Ea	12 Ea	\$7.96/Ea	\$95.52
9		20NR-38	8491A462 1/PK	Keeper Bushing	Firmed	6/20/18	12 Ea	0 Ea	12 Ea	\$7.83/Ea	\$93.96
10		20NR-39	9654K193 3/pk	Keeper Spring	Firmed	6/20/18	12 Ea	0 Ea	12 Ea	\$1.68/Ea	\$20.16
11		20NR-47	91259A812 1/PK	Shoulder Bolt 5/8 x 4 1/2	Firmed	6/20/18	12 Ea	0 Ea	12 Ea	\$8.17/Ea	\$98.04
12		20NR-06	90145A503 20/PK	Solenoid Locating Pin	Firmed	6/20/18	20 Ea	0 Ea	20 Ea	\$0.236/Ea	\$4.72
13		20NR-74	91247A449 1/PK	Bolt 5 1/2 x 5/8	Firmed	6/20/18	12 Ea	0 Ea	12 Ea	\$2.53/Ea	\$30.36
14		20NR-112	91257A758 1/pk	Sideplate Protector Bolt	Firmed	6/20/18	12 Ea	0 Ea	12 Ea	\$3.00/Ea	\$36.00
15		92210A303	100/pk	Flat Socket Cap Screw	Firmed	6/20/18	100 pcs	0 pcs	100 pcs	\$0.0806/pcs	\$8.06
16		6381K193	1/pk	Bushing receive pcs	Firmed	6/20/18	20 pcs	0 pcs	20 pcs	\$3.68/pcs	\$73.60
17		C10-21-4	91102A750 100/pk	Lock Washer	Firmed	6/20/18	100 Ea	0 Ea	100 Ea	\$0.0113/Ea	\$1.13
18		C10-41	6907K14 1/pk	Stain Relief Connector	Firmed	6/20/18	20 Ea	0 Ea	20 Ea	\$10.30/Ea	\$206.00
19		16823		Giant Swiss Arm w/o Mag. Base	Firmed	6/29/18	1 Ea	0 Ea	1 Ea	\$435.76/Ea	\$435.76
20		3009A237	3" long	Pin	Firmed	6/20/18	10 Ea	0 Ea	10 Ea	\$2.49/Ea	\$24.90
21		3869T62	1/pk	Ball w/Shank Swage Fitting receive ea	Firmed	6/20/18	80 Ea	0 Ea	80 Ea	\$1.74/Ea	\$139.20
22		5274T761	5/pk	Polypropylene Vial for Flange Wrench Bolts receive ea	Firmed	6/20/18	20 Ea	0 Ea	20 Ea	\$1.744/Ea	\$34.88

Items											
Line Item	Job	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
23		5481A1	1/pk	Adjustable Spanner receive ea	Firmed	6/20/18	20 Ea	0 Ea	20 Ea	\$28.69/Ea	\$573.80
24		8733K67	4 ft long	Off White Nylon Bar 1" Thick, 3" Wide	Firmed	6/20/18	4 ft 1.4 ft	0 ft	4 ft	\$31.28/ft At 8/10/25	\$125.12
25		91257A755	1/pk	Bolt	Firmed	6/20/18	10 Ea	0 Ea	10 Ea	\$2.31/Ea	\$23.10
26		C45-15-12	91074A131 20/pk	Washer, Cage Bumper	Firmed	6/20/18	20 Ea	0 Ea	20 Ea	\$0.619/Ea	\$12.38
27	✓ M	MDELRINB1.250X3.000W	8739K61 4 FT	M Delrin Bar, White receive ft	Firmed	6/20/18	8 ft ✓ 8 ft	0 ft	8 ft	\$33.89/ft At 8/10/25	\$271.12
28	✓ M	MDELRINB1.500X3000W	8739K67 4 FT	M Delrin Bar, White	Firmed	6/20/18	8 ft 1.8 ft	0 ft	8 ft	\$40.24/ft At 8/10/25	\$321.92
29	✓ M	MDELRINR4.000W	8572K36	M-Delrin Round Bar, White	Firmed	6/20/18	5 ft 1.5 ft	0 ft	5 ft	\$79.29/ft At 8/10/25	\$396.45
Grand Total:										\$3,444.97	

Order Notes

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A016 PERSONNEL QUALIFICATION

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A032 DOCUMENT SPECIAL REQUIREMENTS

A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS

A040 NOTIFICATION OF QUALITY ESCAPE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 6/15/18 12:45 PM dart.lavoie.chantal

McMASTER-CARR

White Delrin® Acetal Resin Rod 4" Diameter

In stock
\$79.29 per ft.
8572K36

Material	Delrin® Acetal Plastic
Cross Section Shape	Round
Construction	Solid
Texture	Smooth
Color	White
Clarity	Opaque
Diameter	4"
Diameter Tolerance	0" to +0.250"
Tolerance Rating	Oversized
Length	1 ft., 2 ft., 3 ft., 4 ft., 5 ft.
Hardness	Rockwell M90
Hardness Rating	Hard
For Use Outdoors	No
Temperature Range	-20° to 180° F
Impact Strength	1.00 ft.-lbs./in.
Impact Strength Rating	Good
Tensile Strength	9,000 psi
Tensile Strength Rating	Good
Specifications Met	ASTM D6100, NSF/ANSI Standard 51 for Food Contact, NSF/ANSI Standard 61 for Drinking Water
Density	0.051 lbs./cu. in.
Coefficient of Friction	0.20
Dielectric Strength	435 V/mil
Water Absorption	0.30%
Coefficient of Thermal Expansion	6.5×10^{-5} in./in./° F
RoHS	Compliant

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: DELIRIN 150E OR ACETRON GP ACETAL

PART NUMBER: M-DELIRIN-R D.DDD X COLOR / B
DIA CODE

WHERE D.DDD = DIAMETER IN INCHES
B X = COLOR CODE, "W" = WHITE, OMITTED = BLACK
EG. 1" BLACK ROUND BAR = M-DELIRIN-R1.000
2" WHITE ROUND BAR = M-DELIRIN-R2.000W

RELEASED

2018 MAR 27 4p

REV 18-657

0	UPDATE DRAWING TO CURRENT STANDARDS, ADD MATERIAL CODE, REASON CIR-110, ADD "ACETRON GP ACETAL" AS OPTION (REV. A1)		SAD	17.10.19
A	NEW ISSUE		DS	01.11.12
REV.	DESCRIPTION	BY	DATE	
DESIGN	SAD			
DRAWN	SAD			
CHECKED	RF			
MFG. APPR.	RA			
APPROVED	HS			
DE APPR.	CP 4p			
DATE	17.10.19			
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA REV. B DRAWING NO. M-DELIRIN-R SHEET 1 OF 1 TITLE DELIRIN ROUND BAR SCALE NTS CONTRACT 0201 BY DART AEROSPACE LTD THIS DRAWING IS THE PROPERTY OF DART AEROSPACE LTD. IT IS TO BE USED FOR THE PROJECT AND NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.				

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MODEL IN R 4.000W
 DATE: 18/06/22

PO / BATCH NO.: P0040214/S083314

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 5ft
 QUANTITY INSPECTED: 5ft
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 4.000"
 THICKNESS RECEIVED: 4.000"
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<u>(N)</u>	
CORRECT FINISH	<u>(Y)</u>	N	
CORROSION	Y	<u>(N)</u>	
CORRECT GRAIN DIRECTION	<u>(Y)</u>	N	
CORRECT MATERIAL PER M-DRAWING	<u>(Y)</u>	N	<u>DEL RIN</u>
CORRECT THICKNESS	<u>(Y)</u>	N	
PHOTO REQUIRED	Y	<u>(N)</u>	
CORRECT REF # TO LINK CERT	<u>(Y)</u>	N	<u>P0040214</u>
CORRECT MATERIAL IDENTIFICATION	<u>(Y)</u>	N	
CORRECT M# ON THE MATERIAL	<u>(Y)</u>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<u>(N)</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<u>(N)</u>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u> DATE: <u>18/06/22</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

White Delrin® Acetal Resin Oversized Bar

1-1/2" Thick, 3" Wide

In stock
\$42.66 per ft.
8739K67

Material	Delrin® Acetal Plastic
Cross Section Shape	Rectangle
Construction	Solid
Texture	Smooth
Color	White
Clarity	Opaque
Thickness	1 1/2"
Thickness Tolerance	0" to +0.025"
Tolerance Rating	Oversized
Width	3"
Width Tolerance	0" to +1/4"
Length	1 ft., 2 ft., 3 ft., 4 ft.
Backing Type	Plain
Hardness	Rockwell M90
Hardness Rating	Hard
For Use Outdoors	No
Temperature Range	-20° to 180° F
Impact Strength	1.00 ft.-lbs./in.
Impact Strength Rating	Good
Tensile Strength	9,000 psi
Tensile Strength Rating	Good
Specifications Met	ASTM D6100, Made of FDA Listed Material, NSF/ANSI Standard 51 for Food Contact, NSF/ANSI Standard 61 for Drinking Water
Density	0.051 lbs./cu. in.
Coefficient of Friction	0.20
Dielectric Strength	435 V/mil

Water Absorption	0.30%
Coefficient of Thermal Expansion	8.5 x 10 ⁻⁵ in./in./°F
RoHS	Compliant

These sheets, bars, and strips are made of Delrin® acetal resin, a wear-resistant material with a naturally slippery surface. Also known as acetal homopolymer, it resists moisture and has the ability to hold tight tolerances. It's often used for gears, bushings, and bearings.



DESIGN #	DRAWN BY #	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>CP</i>	APPROVED #	DRAWING NO. M-DELIN-B	REV. A SHEET 1 OF 1
DATE 02.04.30		TITLE DELIN BAR	SCALE N.T.S.
A	02.04.30	NEW ISSUE	
A1	02.06.04 # <i>CP</i>	ADD "ACETRON CP ACETAL" AS OPTION	

PURCHASE MATERIAL:

DELIN II 150E OR ACETRON CP ACETAL ^{*AI*}

PART NUMBER:

M-DELIN-B | T.TTT | x | WW.WWW | WHERE T.TTT = THICKNESS (IN INCHES)
THICK | WIDTH | WW.WWW = WIDTH (IN INCHES)

EG. 0.5" x 1.0" BAR = M-DELIN-B0.500 x 01.000

RELEASED *10/25/06 #1*

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MDLR1NB1.500x3000W
 DATE: 18/06/22

PO / BATCH NO.: P0040214/508 3343

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 811
 QUANTITY INSPECTED: 811
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.500"
 THICKNESS RECEIVED: 1.500"
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y N	DEL RIN
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	P0040214
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u> DAS 9 DATE: <u>18/06/22</u> 9-89	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

White Delrin® Acetal Resin Oversized Bar
1-1/4" Thick, 3" Wide

In stock
\$35.93 per ft.
8739K61

Material	Delrin® Acetal Plastic
Cross Section Shape	Rectangle
Construction	Solid
Texture	Smooth
Color	White
Clarity	Opaque
Thickness	1 1/4"
Thickness Tolerance	0" to +0.025"
Tolerance Rating	Oversized
Width	3"
Width Tolerance	0" to +1/4"
Length	1 ft., 2 ft., 3 ft., 4 ft.
Backing Type	Plain
Hardness	Rockwell M90
Hardness Rating	Hard
For Use Outdoors	No
Temperature Range	-20° to 180° F
Impact Strength	1.00 ft.-lbs./in.
Impact Strength Rating	Good
Tensile Strength	9,000 psi
Tensile Strength Rating	Good
Specifications Met	ASTM D6100, Made of FDA Listed Material, NSF/ANSI Standard 51 for Food Contact, NSF/ANSI Standard 61 for Drinking Water
Density	0.051 lbs./cu. in.
Coefficient of Friction	0.20
Dielectric Strength	435 V/mil

Water Absorption	0.30%
Coefficient of Thermal Expansion	8.5×10^{-5} in./in./°F
RoHS	Compliant

These sheets, bars, and strips are made of Delrin® acetal resin, a wear-resistant material with a naturally slippery surface. Also known as acetal homopolymer, it resists moisture and has the ability to hold tight tolerances. It's often used for gears, bushings, and bearings.



DESIGN #	DRAWN BY #	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED P	APPROVED #	DRAWING NO. M-DELFIN-B	REV A SHEET 1 OF 1
DATE 02.04.30		TITLE DELFIN BAR	SCALE N/A
A	02.04.30	NEW ISSUE	
A1	02.06.04	ADD "ACETRON CP ACETAL" AS OPTION	

PURCHASE MATERIAL:

DELFIN II ISOE OR ACETRON CP ACETAL

PART NUMBER:

M-DELFIN-B | T.TTT | x | WW.WWW | WHERE T.TTT = THICKNESS (IN INCHES)
THICK | WIDTH | WW.WWW = WIDTH (IN INCHES)

EG. 0.5" x 1.0" BAR = M-DELFIN-B 0.500 x 01.000

RELEASED
10/25/06 #1

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M DELRINBI 250x3.000w

PO / BATCH NO.: P0040214/5083392

DATE: 18/06/22

MATERIAL CERT REC'D: Kes

THICKNESS ORDERED: 1.250"

QUANTITY RECEIVED: 8ft

THICKNESS RECEIVED: 1.250"

QUANTITY INSPECTED: 8ft

SHEET SIZE ORDERED: —

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y N	<u>DELKIN</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	<u>P0040214</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u> DAS 8 289	SIGNED OFF BY: _____	
DATE: <u>18/06/22</u>	DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

Black Delrin® Acetal Resin Rod

3/8" Diameter, 5 Feet Long



\$0.74 per ft. of 5
8576K13

Black Delrin® Acetal Resin Rod, 3/8" Diameter, 5 Feet Long | McMaster-Carr

Material	Delrin® Acetal Plastic
Cross Section Shape	Round
Construction	Solid
Texture	Smooth
Color	Black
Clarity	Opaque
Diameter	3/8"
Diameter Tolerance	0" to +0.005"
Tolerance Rating	Oversized
Length	5 ft.
Hardness	Rockwell M90
Hardness Rating	Hard
For Use Outdoors	No
Temperature Range	-20° to 180° F
Impact Strength	1.00 ft.-lbs./in.
Impact Strength Rating	Good
Tensile Strength	9,000 psi
Tensile Strength Rating	Good
Specifications Met	ASTM D6100
Density	0.051 lbs./cu. in.
Coefficient of Friction	0.20
Dielectric Strength	435 V/mil
Water Absorption	0.30%
Coefficient of Thermal Expansion	8.5 x 10 ⁻⁵ in./in./°F
RoHS	Compliant

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL DELRIN 150E OR ACETRON GP ACETAL

PART NUMBER : M-DELRIN-R.D.DDD X | DIA | COLOR | B | CODE

WHERE D.DDD = DIAMETER IN INCHES
X = COLOR CODE, "W" = WHITE, OMITTED = BLACK
EG. 1" BLACK ROUND BAR = M-DELRIN-R1.000
2" WHITE ROUND BAR = M-DELRIN-R2.000W

RELEASED

2010 MAR 27 40

ECN 18-657

APPROVED

REV.	DESCRIPTION	DATE	BY	DATE
0	UPDATE DRAWING TO CURRENT STANDARDS, ADD MATERIAL CODE, MFG. CODE, AND PART NUMBER. "ACETRON GP ACETAL" AS OPTION (REV. A1).	17.10.19	SAD	17.10.19
A	NEW ISSUE	DS	BY	01.11.12
DESIGN	SAD	DATE		
DRAWN	SAD			
CHECKED	RF			
MFG. APPR.	RA			
APPROVED	HS			
DE APPR.	CP 47			
DATE	17.10.19			
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA				
DRAWING NO. M-DELRIN-R				
SHEET 1 OF 1				
SCALE				
NTS				
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MODELINK0.375
 DATE: 18/06/22

PO / BATCH NO.: P0040214/S093364

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 50+
 QUANTITY INSPECTED: 50+
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.375
 THICKNESS RECEIVED: 0.375
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	N	Delrin
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	P0040214
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AS</u> DATE: <u>18/06/22</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



White Delrin® Acetal Resin Oversized Bar
3/4" Thick, 3" Wide

In stock
\$24.16 per ft.
8739K45

Material	Delrin® Acetal Plastic
Cross Section Shape	Rectangle
Construction	Solid
Texture	Smooth
Color	White
Clarity	Opaque
Thickness	3/4"
Thickness Tolerance	0" to +0.025"
Tolerance Rating	Oversized
Width	3"
Width Tolerance	0" to +1/4"
Length	1 ft., 2 ft., 3 ft., 4 ft.
Backing Type	Plain
Hardness	Rockwell M90
Hardness Rating	Hard
For Use Outdoors	No
Temperature Range	-20° to 180° F
Impact Strength	1.00 ft.-lbs./in.
Impact Strength Rating	Good
Tensile Strength	9,000 psi
Tensile Strength Rating	Good
Specifications Met	ASTM D6100, Made of FDA Listed Material, NSF/ANSI Standard 51 for Food Contact, NSF/ANSI Standard 61 for Drinking Water
Density	0.051 lbs./cu. in.
Coefficient of Friction	0.20
Dielectric Strength	435 V/mil

White Delrin® Acetal Resin Oversized Bar, 3/4" Thick, 3" Wide | McMaster-Carr

Water Absorption	0.30%
Coefficient of Thermal Expansion	8.5 x 10 ⁻⁵ in./in./°F
RoHS	Compliant

These sheets, bars, and strips are made of Delrin® acetal resin, a wear-resistant material with a naturally slippery surface. Also known as acetal homopolymer, it resists moisture and has the ability to hold tight tolerances. It's often used for gears, bushings, and bearings.



DESIGN #	DRAWN BY #	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED CP	APPROVED #	DRAWING NO. M-DELRIN-B	REV. A SHEET 1 OF 1
DATE 02.04.30		TITLE DELRIN BAR	SCALE N.T.S.
A	02.04.30	NEW ISSUE	
AI	02.06.04	ADD "ACETRON GP ACETAL" AS OPTION	

PURCHASE MATERIAL:

DELRIN II ISOE OR ACETRON GP ACETAL

PART NUMBER:

M-DELRIN-B | T.TTT | x | WW.WWW | WHERE TTT = THICKNESS (IN INCHES)
THICK | WIDTH | WW.WWW = WIDTH (IN INCHES)

EG. 0.5" x 1.0" BAR = M-DELRIN-B0.500 x 01.000

RELEASED
aust #

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MODEL RINBO. 750x3.00mm

PO / BATCH NO.: P0040214 / 5083368

DATE: 18/06/22

MATERIAL CERT REC'D: _____

THICKNESS ORDERED: 0.75"

QUANTITY RECEIVED: 44

THICKNESS RECEIVED: 0.75"

QUANTITY INSPECTED: 44

SHEET SIZE ORDERED: —

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<u>N</u>	
CORRECT FINISH	<u>Y</u>	N	
CORROSION	Y	<u>N</u>	
CORRECT GRAIN DIRECTION	<u>Y</u>	N	
CORRECT MATERIAL PER M-DRAWING	<u>Y</u>	N	<u>Delrin</u>
CORRECT THICKNESS	<u>Y</u>	N	
PHOTO REQUIRED	Y	<u>N</u>	
CORRECT REF # TO LINK CERT	<u>Y</u>	N	<u>P0040214</u>
CORRECT MATERIAL IDENTIFICATION	<u>Y</u>	N	
CORRECT M# ON THE MATERIAL	<u>Y</u>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u> <u>9</u> DATE: <u>18/06/22</u> <u>9-89</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Fatigue-Resistant 301 Stainless Steel Sheet
12" x 36", 1/4 Hard Temper, 0.042" Thick

\$68.84 Each
1217T24



Material	301 Stainless Steel
Cross Section Shape	Rectangle
Construction	Solid
Appearance	Plain
Thickness	0.042"
Thickness Tolerance	-0.005" to 0.005"
Tolerance Rating	Standard
Width	12"
Width Tolerance	-1/16" to 1/16"
Length	36"
Length Tolerance	-1/16" to 1/16"
Yield Strength	75,000 psi
Fabrication	Cold Worked
Temper	1/4 Hard
Temper Rating	Hardened
Hardness	Rockwell C25 (Hard)
Heat Treatable	No
Min. Temperature	Not Rated
Maximum Temperature	1550° F
Specifications Met	AMS 5517, ASTM A240
Flatness Tolerance	Not Rated
Density	0.29 lbs./cu. in.
Surface Resistivity	440 ohm-cir. mil/ft.
Melting Point Temperature	2500° F
Modulus of Elasticity	28 ksi x 10 ³
Thermal Conductivity	110 Btu/hr. x in./sq. ft. °F @ 212° F
Elongation	8%

Material Composition	
Iron	70.52-78%
Carbon	0-0.15%
Chromium	16-18%
Manganese	0-2%
Nickel	6-8%
Nitrogen	0-0.1%
Phosphorus	0-0.45%
Silicon	0-0.75%
Sulfur	0-0.03%
RoHS	Compliant

Able to withstand repeated stress and wear, 301 stainless steel has the strength required for applications such as springs and fasteners. It maintains its corrosion resistance in temperatures up to 1550° F.

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 301 SS SHEET
MINIMUM 1/4 HARDNESS (NOT ANNEALED)
2B FINISH

SPECIFICATION:

PER AMS 5617
OR AMS 5518
OR AMS 5902
OR AMS 5519
OR ASTM A666 WITH MIN. F_{lu} = 125 Ksi & MIN F_y = 75 Ksi

PART NUMBER:

M301S TT GA
GA

WHERE "TT" = GAUGE THICKNESS

EG. 16 GAUGE SS SHEET = M301S16GA

GAUGE THICKNESS REFERENCE:

GAUGE	NOM. THICK. (IN)	THICKNESS RANGE (IN)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0199 - 0.023
24	0.025	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.08375	0.084 - 0.098
12	0.109375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.177 - 0.192
6	0.203125	0.193 - 0.208

RELEASED
2010-12-16

A		NEW ISSUE		DESCRIPTION		RF	BY	DATE
REV.		DESIGN	RF					
DRAWN		CHECKED	RF					
MFG. APPR.		APPROVED						
DE APPR.		TITLE						
DATE	10.11.08	301 SS SHEET		DART AEROSPACE LTD		HAWKESBURY, ONTARIO, CANADA		
		REV. A		DRAWING NO.		M301S		
		SHEET 1 OF 1		SCALE		NTS		
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M3015206A
 DATE: 18/06/22

PO / BATCH NO.: P0040214/S083367

MATERIAL CERT REC'D: _____
 QUANTITY RECEIVED: 35t
 QUANTITY INSPECTED: 35t
 QUANTITY REJECTED: 0

THICKNESS ORDERED: _____
 THICKNESS RECEIVED: 0.042
 SHEET SIZE ORDERED: 12" x 36"
 SHEET SIZE RECEIVED: 12" x 36"

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	N	AMS 5517
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	P0040214
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>AT</u> <small>DAS</small>		SIGNED OFF BY: _____	
DATE: <u>18/06/22</u> <small>9:59</small>		DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in